

# Contents

NUMBER 1 FEBRUARY 1987

## Original communications

- 1 Lipoprotein lipase activity and intramuscular triglyceride stores after long-term high-fat and high-carbohydrate diets in physically trained men  
*B. Kiens, B. Essen-Gustavsson, P. Gad and H. Lithell*
- 11 Glucose tolerance and lipid-lipoprotein levels in middle-aged powerlifters  
*B. F. Hurley, J. M. Hagberg, D. R. Seals, A. A. Ehsani, A. P. Goldberg and J. O. Holloszy*
- 21 Hypocapnia and hypercapnia in the dog: effects on myocardial blood-flow and haemodynamics during beta- and combined alpha- and beta-adrenoceptor blockade  
*J. C. Wexels and E. S. P. Myhre*
- 35 Haemodynamic response to exercise in patients with alcoholic liver cirrhosis  
*H. Kelbæk, A. Rabøl, I. Brynjolf, J. Eriksen, O. Bonnevie, J. Godtfredsen, C. Munck and J. O. Lund*
- 43 Myocardial energy metabolism in the induction phase of cardioplegia in relation to myocardial temperature during open heart surgery  
*E. Jansson, V. Bomfim, W. Schmidt and L. Kaijser*
- 51 Indocyanine green plasma clearance as a measure of changes in hepatic blood flow  
*I.-L. Kanstrup and K. Winkler*
- 55 Increase of plasma renin activity at renal blood flow estimations with the Xenon<sup>133</sup> wash-out technique in patients with renal artery stenosis  
*A. Hägg, H. Åberg, L.-E. Lörelius, C. Mörlin and L. Wide*
- 63 Effect of training on the post-exercise ankle blood pressure reaction in patients with intermittent claudication  
*T. Jonason and I. Rinqvist*
- 71 Acetylstrophantidin does not enhance the reflex pressor response to static muscular contraction  
*K. J. Rybicki, H. A. Sanusi and M. P. Kaufman*

## *Contents*

NUMBER 2 APRIL 1987

### **Original communications**

- 83 Haemodynamics during repeated exercise tests with special reference to the 'warm-up' phenomenon in patients with angina pectoris  
*A. Westheim, H. Grendahl, J. Kjekshus, E. Sivertsson and H. E. Refsum*
- 95 The transcapillary exchange of sodium fluorescein in ischaemic limbs measured by fluorescein flowmetry  
*L. Perbeck, B. Sevastik and T. Sonnenfeld*
- 105 Transthoracic electrical impedance at 1 and 100 kHz – a means for separating thoracic fluid compartments?  
*F. F. Larsen, L. Mogensen and B. Tedner*
- 115 Heart rate response to breathing: dependency upon breathing pattern  
*J. Mehlsen, K. Pagh, J. S. Nielsen, L. Sestoft and S. L. Nielsen*
- 12<sup>c</sup> Organ extraction of atrial natriuretic peptide (ANP) in man. Significance of sampling site  
*H. J. Schütten, J. H. Henriksen and J. Warburg*
- 133 The effects of β-blockade on electrically stimulated contraction in fatigued human triceps surae muscle  
*R. L. Hughson, H. J. Green, S. E. Alway, A. E. Patla and J. S. Frank*
- 151 Contractile properties of the human triceps surae following prolonged exercise and β-blockade  
*S. E. Alway, R. L. Hughson, H. J. Green, A. E. Patla and J. S. Frank*
- 165 Renal fraction of cardiac output cleared of radioactive indicator in <sup>123</sup>Iodine-hippuran gamma camera renography  
*O. Carlsen and E. Nathan*
- 173 **Instructions to Authors**

NUMBER 3 JUNE 1987

### **Editorial**

- 175 The indirect method of recording blood pressure during exercise—can the diastolic pressure be measured?  
*L. Kaijser*

## *Contents*

### **Original communications**

- 181 Carbohydrate utilization by exercising muscle following pre-exercise glucose ingestion  
*G. Ahlborg and O. Björkman*
- 197 Insulin sensitivity in patients with arterial insufficiency. Re-evaluation with the Multilevel Glucose Clamp Technique  
*F. Lundgren, K. Lundholm, R. Ekroth, J. Holm and T. Scherstén*
- 209 Use of vectorcardiography in determination of the left ventricular muscle mass  
*H. Granfeldt and E. Nylander*
- 217 Nuclear ejection fraction measurements with a small crystal detector: methodological investigations  
*L. Å. Brodin and D. E. Bone*
- 231 Progressive central hypovolaemia in man—resulting in a vasovagal syncope? Haemodynamic and endocrine variables during venous tourniquets of the thighs  
*K. Sander-Jenson, J. Mehlsen, N. H. Secher, F. W. Bach, P. Bie, J. Giese, T. W. Schwartz, J. Trap-Jensen and J. Warberg*
- 243 Substantial effect of acute hydration on blood pressure in patients with autonomic failure  
*J. Mehlsen and F. Boesen*
- 247 Computerized single-breath nitrogen washout in children: variability and reproducibility  
*D. B. Teculescu, Q. T. Pham, B. Hannhart, J. J. Melet, M. Marchand and J. Cl. Henquel*
- 261 Erratum
- 263 Instructions to Authors

NUMBER 4 AUGUST 1987

### **Review Article**

- 263 Interleukin 1, tumour necrosis factor-alpha (cachectin) and the pathogenesis of cancer cachexia  
*L. L. Moldawer, M. Georgieff and K. Lundholm*

### **Original communications**

- 275 Relation between clinical and roentgenological scores and measures of lung function in cystic fibrosis, with special reference to pulmonary Xenon<sup>133</sup> elimination  
*A. Ericsson, B. Strandvik, S. Troell and U. Freyschuss*

### *Contents*

- 283 Respiratory airflow pattern in patients with chronic airway obstruction  
*A. E. Minetti, I. Brambilla and C. L. Lafortuna*
- 297 Increased sympathetic tone in forearm subcutaneous tissue in primary hypothyroidism  
*H. Vagn Nielsen, K. Hasselström, U. Feldt-Rasmussen, J. Mehlsen, K. Siersbæk-Nielsen, Th. Friis, S. Haunsø and J. Trap-Jensen*
- 303 Radionuclide left ventricular volume determination. Influence of scattered radiation and surrounding activity  
*P. Å. Boström, B. Hemdal, L. Ahlgren, M. Svensson, H. Lecerof and B. Lilja*
- 313 Effect of  $\beta_1$ -adrenoceptor blockade on plasma levels of atrial natriuretic peptide during exercise in normal man  
*G. Thamsborg, R. Sykulski, J. Larsen, T. Storm and N. Keller*
- 319 Effects of dipyridamole and theophylline on reactive hyperaemia in subcutaneous tissue in humans  
*B. Linde and A. Sollevi*
- 329 Effects of triglycyl-lysine-vasopressin on cardiovascular responses to orthostatic stress  
*R. Baer, O. Eiken and U. Balldin*
- 337 ATP and IMP in single human muscle fibres after high intensity exercise  
*E. Jansson, G. A. Dudley, B. Norman and P. A. Tesch*
- 347 Instructions to Authors

NUMBER 5 OCTOBER 1987

#### **Review**

- 349 Human cardiovascular adjustments to acute hypoxaemia  
*L. B. Rowell and J. R. Blackmon*

#### **Original communications**

- 377 Long-term effects of beta-adrenergic blockade with nadolol on hepatic and renal haemodynamics and function in cirrhotics  
*A. Gatta, M. Bolognesi, C. Merkel, G. F. Finucci, P. Angeli, D. Sacerdoti and A. Ruol*
- 389 Diurnal blood pressure profiles and variability in normotensive ambulant subjects  
*V. Turjanmaa, S. Kalli, S. Majahalme, N. Saranummi and A. Uusitalo*

## *Contents*

- 403 A comparison between  $^{133}\text{Xenon}$  washout technique and Laser Doppler flowmetry in the measurement of local vasoconstrictor effects on the microcirculation in subcutaneous tissue and skin  
*J. Kastrup, J. Bülow and N. A. Lassen*
- 411 Digitized echocardiographic measurements of left ventricular function: reproducibility and physiological factors influencing the method  
*R. Danielsen, J. E. Nordrehaug and H. Vik-Mo*
- 423 The transfer factor (diffusing capacity) as a predictor of hypoxaemia during exercise in restrictive and chronic obstructive pulmonary disease  
*I. Nordenfelt and G. Svensson*

### **Short communication**

- 431 Phentolamine- and clonidine-induced changes in plasma neuropeptide Y-like immunoreactivity during sympathetic activation in man  
*J. Pernow, J. M. Lundberg and L. Kaijser*

### **435 Instructions to Authors**

NUMBER 6 DECEMBER 1987

### **Review article**

- 439 Reperfusion damage in heart muscle: still unexplained but with new clinical relevance  
*P. A. Poole-Wilson*

### **Original communications**

- 455 The effects of cortisol supplementation on the metabolic and hormonal response to surgery  
*S. Lacoumenta, T. H. Yeo, J. M. Burrin, J. L. Paterson and G. M. Hall*
- 465 Effects of extracellular fluid volume changes on renal response to low-dose dopamine infusion in normal women  
*G. C. Agnoli, M. Cacciari, C. Garutti, E. Ikonomu, P. Lenzi and G. Marchetti*
- 481 Blood flow, substrate utilization and heat generation in tissues drained by the azygos vein in man  
*T. Brundin, L. Hagenfeldt, R. Söderberg and J. Wahren*
- 493 Umbilical artery reactivity and ultrastructural changes in pregnancy-induced hypertension and other complicated pregnancies  
*F. D. Johnstone, L. Ugaily-Thulesius, O. Thulesius and A. N. Nasrat*

## *Contents*

- 503 ATP breakdown products in human skeletal muscle during prolonged exercise to exhaustion  
*B. Norman, A. Sollevi, L. Kaijser and E. Jansson*
- 511 Local myocardial function following coronary occlusion in cats. Effect on non-ischaemic regions  
*K. Matre, E. Hexeberg, K. Grong and J. Levken*
- Short communication**
- 525 Sex- and age-related normal limits for the QRS complex in vectorcardiography  
*L. Edenbrandt, B. Jonson, B. Lundh and O. Pahlm*
- 537 A versatile technique for multichannel, digital blood temperature recording in man  
*T. Brundin, R. Söderberg and J. Wahren*
- 541 Instructions to Authors
- 543 Author index
- Volume contents**

